

Title (en)

PROTECTION PANEL FOR ELECTRONIC APPARATUS DISPLAY WINDOW AND PRODUCTION METHOD FOR PROTECTION PANEL

Title (de)

SCHUTZ-PANEL FÜR EIN ANZEIGEFENSTER EINER ELEKTRONISCHEN VORRICHTUNG UND HERSTELLUNGSVERFAHREN FÜR DAS SCHUTZ-PANEL

Title (fr)

PANNEAU PROTECTEUR POUR FENÊTRE D'AFFICHEUR D'APPAREIL ÉLECTRONIQUE ET MÉTHODE DE PRODUCTION DE PANNEAU PROTECTEUR

Publication

**EP 1717781 B1 20150401 (EN)**

Application

**EP 05719211 A 20050217**

Priority

- JP 2005002409 W 20050217
- JP 2004045512 A 20040220

Abstract (en)

[origin: EP1717781A1] To provide a low reflectance protection panel with decoration for a display window of an electronic apparatus, superior in productivity. A decorating film is laminated on the surface of a transparent protective plate; the decorating film forms at least a window forming layer having a transparent window portion on the surface of a hard coating film at the transparent protective plate side and is formed with a low reflectance processed layer on the opposite surface thereof; and a low reflectance processed layer is formed on the rear surface of the transparent protective plate. Or, a decorating film is laminated on a surface of an optical isotropic transparent protective plate being interposed by a polarizing plate, the decorating film forms at least a window forming layer having a transparent window portion on the surface of the hard coating film at the transparent protective plate side.

IPC 8 full level

**G09F 9/00** (2006.01); **G06F 1/16** (2006.01); **G06F 3/033** (2013.01); **H04M 1/02** (2006.01)

CPC (source: EP KR US)

**G06F 1/1601** (2013.01 - EP KR US); **G06F 1/1603** (2013.01 - EP KR US); **G06F 1/1607** (2013.01 - EP KR US); **H04M 1/0283** (2013.01 - EP KR US); **G02F 2001/1536** (2013.01 - KR); **G02F 2201/50** (2013.01 - KR)

Cited by

EP2172830A1; EP2375735A3; EP1975683A4; RU2718657C1; US8364216B2; US8693173B2; US8346318B2; US8483781B2; WO2010030137A3; WO2021061012A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1717781 A1 20061102**; **EP 1717781 A4 20100623**; **EP 1717781 B1 20150401**; CN 100452113 C 20090114; CN 1930598 A 20070314; JP 4021925 B2 20071212; JP WO2005081210 A1 20071025; KR 101145009 B1 20120511; KR 20060135752 A 20061229; MY 144379 A 20110915; TW 200533156 A 20051001; TW I383643 B 20130121; US 2008218951 A1 20080911; WO 2005081210 A1 20050901

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**EP 05719211 A 20050217**; CN 200580005479 A 20050217; JP 2005002409 W 20050217; JP 2006510216 A 20050217; KR 20067016261 A 20050217; MY PI20050632 A 20050218; TW 94104856 A 20050218; US 58966805 A 20050217